

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 6    | (chain near2 operation)<br>multiply accumulate (single<br>near2 operation)<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:05 |
| L2    | 11   | (chain near2 operations)<br>(instruction near2 set) multiply<br>accumulate @ad<"20030630"    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:05 |
| L3    | 3950 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:06 |
| L4    | 1215 | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:08 |
| L5    | 531  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:09 |
| L8    | 1159 | (712/200)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:17 |
| L9    | 790  | (712/221)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:17 |
| L10   | 1140 | (712/215)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:18 |
| L11   | 164  | (712/200)(712/215)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/07/13<br>00:18 |

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| L12 | 181  | (chained near2 operation)<br>architecture @ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/07/13<br>00:19 |
| L13 | 434  | (chained with operation)<br>architecture @ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/07/13<br>00:19 |
| S1  | 49   | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "accelerating"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:10 |
| S2  | 2439 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:10 |
| S3  | 354  | "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630"                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:11 |
| S4  | 265  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:12 |
| S5  | 273  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:12 |
| S6  | 886  | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:12 |
| S7  | 391  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:13 |
| S8  | 28   | "instructions" "generate"<br>"cryptographic key" "public<br>key" "encryption"<br>"acceleration"<br>@ad<"20030630"            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:13 |

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| S9  | 273  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>05:13 |
| S12 | 5    | "instructions" "key"<br>"cryptographic" "public key"<br>"encryption" "Wallace tree"<br>@ad<""20030630""                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/10<br>23:39 |
| S13 | 2790 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:38 |
| S14 | 949  | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:39 |
| S15 | 429  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:40 |
| S16 | 53   | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "accelerating"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:40 |
| S17 | 379  | "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630"                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:40 |
| S18 | 285  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>"algorithm" @ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:41 |
| S19 | 293  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630"             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:41 |
| S20 | 28   | "instructions" "generate"<br>"cryptographic key" "public<br>key" "encryption"<br>"acceleration"<br>@ad<"20030630"            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:41 |

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| S21 | 293  | "instructions" "generate" "key"<br>"cryptographic" "public key"<br>"encryption" "acceleration"<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:41 |
| S22 | 5    | "instructions" "key"<br>"cryptographic" "public key"<br>"encryption" "Wallace tree"<br>@ad<"20030630"""          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:42 |
| S23 | 18   | "arithmetic circuit" "first"<br>"second" "feedback"<br>"cryptographic"<br>@ad<"20030630"                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:42 |
| S24 | 2    | "arithmetic circuit" "first"<br>"second" "feedback"<br>"cryptographic" "XOR"<br>@ad<"20030630"                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:42 |
| S25 | 2    | "arithmetic circuit" "feedback"<br>"cryptographic" "XOR"<br>@ad<"20030630"                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:43 |
| S26 | 16   | "arithmetic circuit"<br>"cryptographic" "XOR"<br>@ad<"20030630"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:45 |
| S27 | 202  | "arithmetic circuit" "XOR"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:45 |
| S28 | 0    | "arithmetic circuit" "redundant<br>number representation"<br>@ad<"20030630"                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:46 |
| S29 | 17   | "circuit" "redundant number<br>representation"<br>@ad<"20030630"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/06/08<br>21:46 |
| S30 | 3033 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:12 |

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| S31 | 996  | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:12 |
| S32 | 446  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:13 |
| S33 | 12   | SHEUELING SHANTZ.in.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:13 |
| S34 | 20   | "arithmetic circuit" (previous<br>near3 completed) operation<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:13 |
| S35 | 42   | "arithmetic circuit" "previous<br>operation" completed<br>@ad<"20030630"       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:14 |
| S36 | 27   | "arithmetic circuit" "previous<br>instruction" completed<br>@ad<"20030630"     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:14 |
| S37 | 18   | "circuit" "redundant number<br>representation"<br>@ad<"20030630"               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:14 |
| S38 | 0    | "arithmetic circuit" "redundant<br>number representation"<br>@ad<"20030630"    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:14 |
| S39 | 203  | "arithmetic circuit" "XOR"<br>@ad<"20030630"                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/12/06<br>11:14 |
| S40 | 3316 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:09 |

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| S41 | 1080 | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:11 |
| S42 | 474  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:12 |
| S43 | 204  | "arithmetic circuit" "XOR"<br>@ad<"20030630"                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:15 |
| S44 | 18   | "circuit" "redundant number<br>representation"<br>@ad<"20030630"               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:16 |
| S45 | 27   | "arithmetic circuit" "previous<br>instruction" completed<br>@ad<"20030630"     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:21 |
| S46 | 42   | "arithmetic circuit" "previous<br>operation" completed<br>@ad<"20030630"       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:21 |
| S47 | 20   | "arithmetic circuit" (previous<br>near3 completed) operation<br>@ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/07/01<br>01:21 |
| S48 | 3637 | (380/28)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>18:22 |
| S49 | 1152 | (380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>18:23 |
| S50 | 503  | (380/28)(380/29)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>18:23 |

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| S51 | 0   | "chained operation" "mutiply accumulate"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:24 |
| S52 | 0   | "chained operation" "mutiply accumulate"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:24 |
| S53 | 153 | "chained operation"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:24 |
| S54 | 107 | "chained operation" circuit   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:25 |
| S55 | 734 | "chain operations" circuit  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:25 |
| S56 | 71  | "chained operations" architecture @ad<"20030630"                                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:25 |
| S57 | 31  | "chained operations" "instruction set" @ad<"20030630"                             | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:25 |
| S58 | 7   | "chained operations" "instruction set" multiply accumulate @ad<"20030630"         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:25 |
| S59 | 1   | "chained operations" "instruction set" multiply accumulate partial @ad<"20030630" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:25 |
| S60 | 2   | "chained operations" multiply accumulate partial @ad<"20030630"                   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/30 18:25 |

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| S61 | 11 | "chained operations" multiply<br>accumulate (single near2<br>operation) @ad<"20030630" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/01/30<br>18:26 |
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